

Amendments to the Claims

In the claims:

This Listing of Claims replaces all prior versions, and listings, of the claims in this application.

1. (Currently amended) A method comprising:
decoding a digital data stream received at a video decoder;
passing a decoded data stream to an encoder;
dynamically adjusting an aggressiveness of down sampling of the data stream prior to passing the data stream; and
encoding the decoded data stream at a bit rate below a bit rate of the digital data stream to form a lower bit rate data stream.
2. (Cancelled)
3. (Original) The method of Claim 1 further comprising:
storing data corresponding to the lower bit rate data stream in a non-volatile storage medium.
4. (Original) The method of Claim 1 further comprising:
encrypting the lower bit rate data stream; and
busing the encrypted lower bit rate data stream to a distribution interface.
5. (Original) The method of Claim 1 comprising:
sending the digital data stream to a display device if the display device is local to the video decoder; and

sending the lower bit rate data stream to a display if the display device is remote from the video decoder.

6. (Original) The method of Claim 1 further comprising:
wirelessly transmitting the lower bit rate data stream to a display device.

7. (Original) The method of Claim 1 wherein the encoding comprises:
compressing the decoded data stream.

8. (Currently amended) An apparatus comprising:
a video decoder having a digital input interface;
an encoder coupled to the video decoder to encode a decoded data stream received from
the video decoder;

down sampling logic to dynamically adjust the aggressiveness of down sampling of the
data stream and

a non-volatile storage unit coupled to the video decoder.

9. (Cancelled)

10. (Currently amended) The apparatus of Claim 8 wherein the video decoder comprises:
an encryption engine; and
a descriptondecryption engine.

11. (Currently amended) The apparatus of Claim 8 wherein the decoderencoder comprises:

a compression engine.

12. (Currently amended) The apparatus of Claim 11 wherein the compression engine performs motion picture experts group (MPEG) encoding.

13. (Original) The apparatus of Claim 8 further comprising:
a local area network interface.

14. (Original) The apparatus of Claim 8 further comprising:
a wireless network interface.

15. (Original) The apparatus of Claim 8 further comprising:
a host processor coupled to the video decoder.

16. (Currently amended) A system comprising:
a video decoder including a down sampler wherein the aggressiveness of down sampling is dynamically adjusted;
an encoder coupled to the video decoder to encode a video stream at a bit rate below a bit rate of a source stream;
a wireless interface operably coupled to the video decoder to transmit the video stream at the bit rate below the bit rate of the source stream; and
a display to receive and display the video stream.

17. (Original) The system of Claim 16 further comprising:

a non-volatile storage unit coupled to the video decoder.

18. (Original) The system of Claim 16 further comprising:
a local interface operably coupled to the video decoder to transmit the source stream at a full bit rate; and
a display coupled to the local interface.

19. (Currently amended) An apparatus comprising:
means for decoding an incoming video stream into a decoded video stream;
means for down sampling the decoded video stream wherein the aggressiveness of down sampling is dynamically adjusted; and
means for encoding the decoded video stream into a lower bit rate video stream.

20. (Cancelled)

21. (Original) The apparatus of Claim 19 further comprising:
means for storing the lower bit rate video stream.

22. (Original) The apparatus of Claim 19 further comprising:
means of selecting the lower bit rate based on a transmission medium to be used.

23. (Currently amended) A computer readable storage media containing executable computer program instructions which when executed cause a digital processing system to perform a method comprising:

decoding a digital data stream received at a video decoder;
dynamically adjusting the aggressiveness of down sampling of decoded data stream; -and
encoding the decoded data stream at a bit rate below a bit rate of the digital data stream to
form a lower bit rate data stream.

24. (Original) The computer readable storage media of Claim 23 which when executed
cause a digital processing system to perform a method further comprising:
down sampling the data stream prior to passing the decoded data stream.

25. (Original) The computer readable storage media of Claim 23 which when executed
cause a digital processing system to perform a method further comprising:
storing data corresponding to the lower bit rate data stream in a non-volatile storage
medium.

26. (Original) The computer readable storage media of Claim 23 which when executed
cause a digital processing system to perform a method further comprising:
encrypting the lower bit rate data stream; and
busing the encrypted lower bit rate data stream to a distribution interface.

27. (Original) The computer readable storage media of Claim 23 which when executed
cause a digital processing system to perform a method further comprising:
sending the digital data stream to a display device if the display device is local to the
video decoder; and

sending the lower bit rate data stream to a display if the display device is remote from the video decoder.

28. (Original) The computer readable storage media of Claim 23 which when executed cause a digital processing system to perform a method further comprising:
wirelessly transmitting the lower bit rate data stream to a display device.

29. (Original) The computer readable storage media of Claim 23 which when executed cause a digital processing system to perform a method further comprising:
compressing the decoded data stream.

30 (NEW) The method of claim 1 wherein the dynamic adjustment of down sampling is accomplished by a look up table.